

Appendix D
Summary of Air Monitoring Data

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Table D-1
2006 Effluent Airborne Radioactivity at Main Stack
(ANSTACK)

Isotope ^a	N	Total Activity Released ^b (Ci)	Average Concentration (μCi/mL)	Maximum Concentration (μCi/mL)	DCG ^c (μCi/mL)	Average % DCG
Gross Alpha	26	4.31±0.57E-07	5.81±0.77E-16	1.11E-15	--	--
Gross Beta	26	9.48±0.21E-06	1.28±0.03E-14	5.87E-14	--	--
H-3	26	1.21±0.03E-03	1.63±0.05E-12	4.71E-12	1E-07	<0.01
Co-60	2	0.10±5.28E-08	0.13±7.03E-17	<1.02E-16	8E-11	<0.01
Sr-90	2	2.91±0.15E-06	3.92±0.20E-15	2.89E-15	9E-12	0.04
I-129	2	2.29±0.22E-05	3.09±0.30E-14	3.38E-14	7E-11	0.04
Cs-137	2	3.55±0.17E-06	4.78±0.23E-15	5.26E-15	4E-10	<0.01
Eu-154	2	-0.12±1.25E-07	-0.16±1.69E-16	<2.20E-16	5E-11	<0.01
U-232 ^d	2	2.49±2.82E-09	3.35±3.80E-18	4.41E-18	2E-14	<0.02
U-233/234 ^d	2	1.73±0.58E-08	2.33±0.78E-17	2.10E-17	9E-14	0.03
U-235/236 ^d	2	4.80±3.31E-09	6.47±4.46E-18	6.17E-18	1E-13	<0.01
U-238 ^d	2	1.63±0.50E-08	2.19±0.68E-17	2.10E-17	1E-13	0.02
Pu-238	2	5.38±1.16E-08	7.25±1.56E-17	7.62E-17	3E-14	0.24
Pu-239/240	2	9.08±1.51E-08	1.22±0.20E-16	1.24E-16	2E-14	0.61
Am-241	2	1.83±0.32E-07	2.47±0.43E-16	2.24E-16	2E-14	1.23
Total % of DCGs						2.25

N - Number of samples

-- DCGs are not specified for gross alpha and beta activity.

^a Half-lives are listed in Table UI-1.

^b Total volume released at 50,000 cfm = 7.42E+14 mL/year

^c Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^d Total Uranium: 4.05±0.07E-02 g; average = 5.46E±0.09E-11 μg/mL

Table D-2
2006 Effluent Airborne Radioactivity at Vitrification System HVAC
(ANVITSK)

Isotope	N	Total Activity Released (Ci)	Average Concentration ($\mu\text{Ci/mL}$)	Maximum Concentration ($\mu\text{Ci/mL}$)	DCG ^a ($\mu\text{Ci/mL}$)
Gross Alpha	26	0.01 \pm 1.26E-08	0.03 \pm 3.40E-17	<2.67E-16	--
Gross Beta	26	-3.50 \pm 4.07E-08	-0.94 \pm 1.10E-16	<6.61E-16	--
Co-60	2	6.16 \pm 9.43E-09	1.66 \pm 2.54E-17	<4.07E-17	8E-11
Sr-90	2	0.24 \pm 1.98E-08	0.64 \pm 5.33E-17	<8.61E-17	9E-12
I-129	2	0.19 \pm 1.09E-07	0.52 \pm 2.94E-16	<5.09E-16	7E-11
Cs-137	2	3.72 \pm 7.11E-09	1.00 \pm 1.92E-17	<2.77E-17	4E-10
Eu-154	2	-1.78 \pm 2.73E-08	4.81 \pm 7.34E-17	<1.19E-16	5E-11
U-232 ^b	2	-0.94 \pm 3.03E-09	-2.52 \pm 8.16E-18	<1.32E-17	2E-14
U-233/234 ^b	2	9.97 \pm 2.99E-09	2.69 \pm 0.81E-17	3.33E-17	9E-14
U-235/236 ^b	2	2.06 \pm 2.19E-09	5.55 \pm 5.90E-18	8.35E-18	1E-13
U-238 ^b	2	6.12 \pm 2.48E-09	1.65 \pm 0.67E-17	1.81E-17	1E-13
Pu-238	2	0.00 \pm 9.88E-10	0.00 \pm 2.66E-18	<4.42E-18	3E-14
Pu-239/240	2	0.18 \pm 1.21E-09	0.48 \pm 3.26E-18	<6.10E-18	2E-14
Am-241	2	-0.46 \pm 2.05E-09	-1.25 \pm 5.53E-18	<9.86E-18	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and beta activity.

^a Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^b Total Uranium: 1.65 \pm 0.03E-02 g; average = 4.44 \pm 0.07E-11 $\mu\text{g/mL}$

Table D-3
2006 Effluent Airborne Radioactivity at 01-14 Building
(ANCSSTK)

Isotope	N	Total Activity Released (Ci)	Average Concentration ($\mu\text{Ci/mL}$)	Maximum Concentration ($\mu\text{Ci/mL}$)	DCG ^a ($\mu\text{Ci/mL}$)
Gross Alpha	26	-2.03±4.60E-09	-1.44±3.26E-17	2.55E-16	--
Gross Beta	26	-2.40±1.49E-08	-1.70±1.06E-16	<6.09E-16	--
Co-60	2	1.16±3.94E-09	0.82±2.79E-17	<4.21E-17	8E-11
Sr-90	2	1.38±8.71E-09	0.98±6.17E-17	<9.72E-17	9E-12
I-129	2	6.65±4.10E-08	4.71±2.90E-16	5.09E-16	7E-11
Cs-137	2	0.07±2.17E-09	0.05±1.54E-17	<3.76E-17	4E-10
Eu-154	2	-1.24±1.18E-08	-8.75±8.39E-17	<1.35E-16	5E-11
U-232 ^b	2	1.64±7.57E-10	1.16±5.36E-18	<7.91E-18	2E-14
U-233/234 ^b	2	3.32±1.17E-09	2.35±0.83E-17	2.69E-17	9E-14
U-235/236 ^b	2	8.28±6.71E-10	5.87±4.76E-18	1.05E-17	1E-13
U-238 ^b	2	4.37±1.34E-09	3.09±0.95E-17	4.38E-17	1E-13
Pu-238	2	-1.39±3.50E-10	-0.98±2.48E-18	<4.47E-18	3E-14
Pu-239/240	2	-0.60±4.66E-10	-0.42±3.30E-18	<4.71E-18	2E-14
Am-241	2	1.11±3.53E-10	0.79±2.50E-18	<4.14E-18	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and beta activity.

^a Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^b Total Uranium: 6.65±0.11E-03 g; average = 4.71±0.07E-11 $\mu\text{g/mL}$

Table D-4
2006 Airborne Radioactivity at Contact Size-Reduction Facility
(ANCSRFK)

VENTILATION OFF;
SYSTEM DID NOT OPERATE DURING CY 2006

Table D-5
2006 Effluent Airborne Radioactivity at Supernatant Treatment System
(ANSTSTK)

Isotope	N	Total Activity Released (Ci)	Average Concentration ($\mu\text{Ci/mL}$)	Maximum Concentration ($\mu\text{Ci/mL}$)	DCG ^a ($\mu\text{Ci/mL}$)
Gross Alpha	26	-0.95±2.45E-09	-1.43±3.67E-17	<2.66E-16	--
Gross Beta	26	-3.05±8.00E-09	-0.46±1.20E-16	6.50E-16	--
H-3	26	-4.65±1.09E-05	-6.96±1.63E-13	6.05E-13	1E-07
Co-60	2	0.93±1.76E-09	1.39±2.63E-17	<3.29E-17	8E-11
Sr-90	2	-0.33±3.95E-09	-0.49±5.29E-17	9.37E-17	9E-12
I-129	2	8.14±0.69E-06	1.22±0.10E-14	1.23E-13	7E-11
Cs-137	2	3.58±3.12E-09	5.37±4.68E-17	4.62E-17	4E-10
Eu-154	2	-3.02±4.83E-09	-4.52±7.23E-17	<8.82E-17	5E-11
U-232 ^b	2	-0.63±3.66E-10	-0.94±5.48E-18	<8.76E-18	2E-14
U-233/234 ^b	2	1.87±0.54E-09	2.80±0.80E-18	2.44E-17	9E-14
U-235/236 ^b	2	2.42±2.15E-10	3.62±3.22E-18	<4.10E-18	1E-13
U-238 ^b	2	1.80±0.54E-10	2.69±0.80E-17	2.66E-17	1E-13
Pu-238	2	1.71±2.48E-10	2.55±3.71E-18	<5.00E-18	3E-14
Pu-239/240	2	2.12±3.41E-10	3.18±5.11E-18	<7.59E-18	2E-14
Am-241	2	-2.11±3.41E-10	-3.15±5.11E-18	<7.83e-18	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and beta activity.

^a Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^b Total Uranium: 3.60±0.06E-03 g; average = 5.39±0.08E-11 $\mu\text{g/mL}$

Table D-6
2006 Effluent Airborne Radioactivity at Container Sorting and Packaging Facility (ANCSPFK)

Isotope	N	Total Activity Released (Ci)	Average Concentration ($\mu\text{Ci/mL}$)	Maximum Concentration ($\mu\text{Ci/mL}$)	DCG ^a ($\mu\text{Ci/mL}$)
Gross Alpha	26	-1.37 \pm 5.99E-10	-0.81 \pm 3.56E-17	<2.91E-16	--
Gross Beta	26	2.27 \pm 2.04E-09	1.35 \pm 1.21E-16	1.47E-15	--
Co-60	2	2.43 \pm 4.01E-10	1.44 \pm 2.38E-17	<3.68E-17	8E-11
Sr-90	2	4.75 \pm 8.72E-10	2.82 \pm 5.18E-17	<8.77E-17	9E-12
I-129	2	1.16 \pm 0.11E-07	6.86 \pm 0.67E-15	7.07E-15	7E-11
Cs-137	2	1.32 \pm 3.50E-10	0.79 \pm 2.08E-17	<3.33E-17	4E-10
Eu-154	2	-0.50 \pm 1.04E-09	-2.99 \pm 6.15E-17	<1.01E-16	5E-11
U-232 ^b	2	-2.24 \pm 8.48E-11	-1.33 \pm 5.03E-18	<9.69E-18	2E-14
U-233/234 ^b	2	5.69 \pm 1.72E-10	3.38 \pm 1.02E-17	4.59E-17	9E-14
U-235/236 ^b	2	1.25 \pm 0.78E-10	7.43 \pm 4.64E-18	9.52E-18	1E-13
U-238 ^b	2	4.40 \pm 1.48E-10	2.61 \pm 0.88E-18	2.99E-17	1E-13
Pu-238	2	0.00 \pm 6.20E-11	0.00 \pm 3.68E-18	<5.96E-18	3E-14
Pu-239/240	2	7.84 \pm 9.20E-11	4.65 \pm 5.46E-18	<8.79E-18	2E-14
Am-241	2	1.95 \pm 4.79E-11	1.15 \pm 2.84E-18	<4.15E-18	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^b Total Uranium: 7.30 \pm 0.12E-04 g; average = 4.34 \pm 0.07E-11 $\mu\text{g/mL}$

Table D-7
**2006 Effluent Airborne Radioactivity at Outdoor Ventilation Enclosures/
 Portable Ventilation Units (OVEs/PVUs)**

Isotope	N	Total Activity Released (Ci)	Average Concentration ($\mu\text{Ci/mL}$)	Maximum Concentration ($\mu\text{Ci/mL}$)	DCG ^a ($\mu\text{Ci/mL}$)
Gross Alpha	56	-1.81±2.04E-09	-3.53±3.99E-17	4.46E-16	--
Gross Beta	56	6.28±6.02E-09	1.23±1.18E-16	9.95E-16	--
Co-60	2	0.54±1.55E-09	1.05±3.02E-17	<4.44E-17	8E-11
Sr-90	2	0.83±2.04E-09	1.62±3.98E-17	<7.80E-17	9E-12
Cs-137	2	6.55±9.15E-10	1.28±1.79E-17	<2.34E-17	4E-10
Eu-154	2	-1.00±2.56E-09	-1.95±5.00E-17	<6.50E-17	5E-11
U-232 ^b	2	-0.47±1.08E-10	-0.93±2.10E-18	<2.85E-18	2E-14
U-233/234 ^b	2	1.36±0.33E-09	2.65±0.65E-17	2.83E-17	9E-14
U-235/236 ^b	2	2.06±1.34E-10	4.03±2.61E-18	5.69E-18	1E-13
U-238 ^b	2	1.03±0.78E-09	2.01±0.54E-17	1.89E-17	1E-13
Pu-238	2	0.20±1.15E-10	0.38±2.25E-18	<3.25E-18	3E-14
Pu-239/240	2	1.16±1.82E-10	2.26±3.55E-18	<5.27E-18	2E-14
Am-241	2	-0.45±2.21E-10	-0.88±4.32E-18	<8.51E-18	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^b Total Uranium: 3.16±0.05E-03 g; average = 6.18±0.10E-11 $\mu\text{g/mL}$

Table D-8
2006 Effluent Airborne Radioactivity at Remote-Handled Waste Facility Stack
(ANRHWFK)

Isotope	N	Total Activity Released (Ci)	Average Concentration ($\mu\text{Ci/mL}$)	Maximum Concentration ($\mu\text{Ci/mL}$)	DCG ^a ($\mu\text{Ci/mL}$)
Gross Alpha	26	-0.57±7.07E-09	-0.48±5.94E-17	<3.15E-16	--
Gross Beta	26	-2.86±2.27E-08	-2.40±1.91E-16	6.53E-16	--
Co-60	2	-0.08±5.55E-09	-0.07±4.66E-17	<4.17E-17	8E-11
Sr-90	2	0.13±1.17E-08	1.11±9.82E-17	<1.10E-16	9E-12
I-129	2	6.38±3.66E-08	5.36±3.07E-16	6.68E-16	7E-11
Cs-137	2	-1.49±4.39E-09	-1.24±3.69E-17	<3.35E-17	4E-10
Eu-154	2	-0.46±1.29E-08	-0.39±1.08E-16	<1.03E-16	5E-11
U-232 ^b	2	1.60±9.79E-10	1.35±8.23E-18	<9.60E-18	2E-14
U-233/234 ^b	2	6.32±1.85E-09	5.31±1.56E-17	4.00E-17	9E-14
U-235/236 ^b	2	1.84±0.92E-09	1.54±0.77E-17	9.99E-18	1E-13
U-238 ^b	2	6.74±1.71E-09	5.66±1.44E-17	3.82E-17	1E-13
Pu-238	2	-1.21±5.80E-10	-1.02±4.87E-18	<5.55E-18	3E-14
Pu-239/240	2	1.31±7.20E-10	1.10±6.05E-18	<5.54E-18	2E-14
Am-241	2	1.22±5.70E-10	1.03±4.79E-18	<4.87E-18	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Derived concentration guides (DCGs) are listed for reference only. They are applicable to average concentrations at the site boundary but not to stack concentrations, as might be inferred from their inclusion in this table.

^b Total Uranium: 1.22±0.02E-02 g; average = 1.03±0.02E-12 $\mu\text{g/mL}$

Table D-9
2006 Ambient Airborne Radioactivity at Lag Storage
(ANLAGAM)

Isotope	N	ANLAGAM μCi/mL		N	AFGRVAL ^a	DCG ^b
		Average	Maximum		μCi/mL Background Range	
Gross Alpha	26	8.50±4.36E-16	2.00E-15	26	7.68E-17–1.76E-15	--
Gross Beta	26	1.74±0.16E-14	3.34E-14	26	1.99E-15–3.16E-14	--
K-40	2	4.11±9.55E-16	7.51E-16	2	<1.30E-15–<1.69E-15	9E-10
Co-60	2	0.71±3.98E-17	<4.82E-17	2	<7.41E-17–8.14E-17	8E-11
Sr-90	2	4.09±9.80E-17	<1.08E-16	2	<7.11E-17–<1.31E-16	9E-12
Cs-137	2	0.68±3.52E-17	<4.06E-17	2	<5.80E-17–9.70E-17	4E-10
Eu-154	2	0.28±1.09E-16	<1.19E-16	2	<1.85E-16–<2.49E-16	5E-11
U-232^c	2	0.28±8.94E-18	<1.10E-17	2	<8.59E-18–<1.04E-17	2E-14
U-233/234^c	2	2.51±1.07E-17	3.00E-17	2	4.22E-17–9.45E-17	9E-14
U-235/236^c	2	4.16±5.61E-18	<5.74E-18	2	8.46E-18–2.84E-17	1E-13
U-238^c	2	1.43±0.90E-17	1.68E-17	2	2.70E-17–4.49E-17	1E-13
Pu-238	2	0.49±3.71E-18	<4.05E-18	2	<3.26E-18–<8.73E-18	3E-14
Pu-239/240	2	2.21±4.65E-18	<5.10E-18	2	<7.30E-18–<8.28E-18	2E-14
Am-241	2	-0.67±5.02E-18	<5.14E-18	2	<1.98E-18–<1.40E-17	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Background air sampling location

^b Derived concentration guides (DCGs) are applicable to average concentrations at the site boundary.

^c Total Uranium: ANLAGAM average = 4.86±0.12E-11 μg/mL; AFGRVAL average = 7.45±0.17E-11 μg/mL

Table D-10
2006 Ambient Airborne Radioactivity at Rock Springs Road
(AFRSPRD)

Isotope	N	AFRSPRD μCi/mL		N	AFGRVAL ^a	DCG ^b
		Average	Maximum		μCi/mL Background Range	
Gross Alpha	26	7.79±5.30E-16	1.43E-15	26	7.68E-17–1.76E-15	--
Gross Beta	26	1.72±0.20E-14	3.37E-14	26	1.99E-15–3.16E-14	--
K-40	2	0.88±1.02E-15	1.29E-15	2	<1.30E-15–<1.69E-15	9E-10
Co-60	2	-0.17±5.94E-17	<6.49E-17	2	<7.41E-17–8.14E-17	8E-11
Sr-90	2	0.43±1.18E-16	<1.49E-16	2	<7.11E-17–<1.31E-16	9E-12
I-129	2	1.34±2.97E-16	<3.41E-16	2	<8.29E-17–<1.19E-16	7E-11
Cs-137	2	0.05±5.33E-17	<5.76E-17	2	<5.80E-17–9.70E-17	4E-10
Eu-154	2	0.84±1.58E-16	<1.80E-16	2	<1.85E-16–<2.49E-16	5E-11
U-232 ^c	2	0.96±1.61E-17	<2.07E-17	2	<8.59E-18–<1.04E-17	2E-14
U-233/234 ^c	2	4.48±2.55E-17	6.61E-17	2	4.22E-17–9.45E-17	9E-14
U-235/236 ^c	2	1.35±1.74E-17	2.90E-17	2	8.46E-18–2.84E-17	1E-13
U-238 ^c	2	3.78±2.42E-17	4.96E-17	2	2.70E-17–4.49E-17	1E-13
Pu-238	2	-0.80±5.27E-18	<6.87E-18	2	<3.26E-18–<8.73E-18	3E-14
Pu-239/240	2	2.33±6.34E-18	<6.85E-18	2	<7.30E-18–<8.28E-18	2E-14
Am-241	2	1.17±1.59E-17	<1.69E-17	2	<1.98E-18–<1.40E-17	2E-14

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Background air sampling location

^b Derived concentration guides (DCGs) are applicable to average concentrations at the site boundary.

^c Total Uranium: AFRSPRD average = 7.49±0.17E-11 μg/mL; AFGRVAL average = 7.45±0.17E-11 μg/mL

Table D-11
2006 Ambient Airborne Radioactivity at Fox Valley Road
(AFFXVRD)

Isotope	N	AFFXVRD μCi/mL		N	AFGRVAL ^a	DCG ^b
		Average	Maximum		μCi/mL Background Range	
Gross Alpha	26	9.23±5.65E-16	1.90E-15	26	7.68E-17–1.76E-15	--
Gross Beta	26	1.74±0.20E-14	3.04E-14	26	1.99E-15–3.16E-14	--
K-40	2	1.82±9.39E-16	<1.17E-15	2	<1.30E-15–<1.69E-15	9E-10
Co-60	2	0.19±5.12E-17	<5.32E-17	2	<7.41E-17–8.14E-17	8E-11
Sr-90	2	0.47±1.25E-16	<1.51E-16	2	<7.11E-17–<1.31E-16	9E-12
Cs-137	2	2.48±4.27E-17	6.09E-17	2	<5.80E-17–9.70E-17	4E-10

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Background air sampling location

^b Derived concentration guides (DCGs) are applicable to average concentrations at the site boundary.

Table D-12
2006 Ambient Airborne Radioactivity at Route 240
(AFRT240)

Isotope	N	AFRT240 μCi/mL		N	AFGRVAL ^a	DCG ^b
		Average	Maximum		μCi/mL Background Range	
Gross Alpha	26	7.97±6.28E-16	1.66E-15	26	7.68E-17–1.76E-15	--
Gross Beta	26	1.77±0.22E-14	3.18E-14	26	1.99E-15–3.16E-14	--
K-40	2	0.91±1.24E-15	1.58E-15	2	<1.30E-15–<1.69E-15	9E-10
Co-60	2	-0.01±5.44E-17	<5.85E-17	2	<7.41E-17–8.14E-17	8E-11
Sr-90	2	0.85±1.32E-16	<1.65E-16	2	<7.11E-17–<1.31E-16	9E-12
Cs-137	2	1.70±5.00E-17	4.45E-17	2	<5.80E-17–9.70E-17	4E-10

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Background air sampling location

^b Derived concentration guides (DCGs) are applicable to average concentrations at the site boundary.

Table D-13
2006 Ambient Airborne Radioactivity at West Valley
(AFWEVAL)

Isotope	N	AFWEVAL μCi/mL		N	AFGRVAL ^a	DCG ^b
		Average	Maximum		μCi/mL Background Range	
Gross Alpha	26	8.63±5.36E-16	1.57E-15	26	7.68E-17–1.76E-15	--
Gross Beta	26	1.76±0.19E-14	3.09E-14	26	1.99E-15–3.16E-14	--
K-40	2	0.00±1.23E-15	<1.37E-15	2	<1.30E-15–<1.69E-15	9E-10
Co-60	2	-2.67±5.57E-17	<6.62E-17	2	<7.41E-17–8.14E-17	8E-11
Sr-90	2	-0.04±1.09E-16	<1.21E-16	2	<7.11E-17–1.31E-16	9E-12
Cs-137	2	1.40±4.76E-17	<5.62E-17	2	<5.80E-17–9.70E-17	4E-10

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Background air sampling location

^b Derived concentration guides (DCGs) are applicable to average concentrations at the site boundary.

Table D-14
2006 Ambient Airborne Radioactivity at Springville
(AFSPRVL)

Isotope	N	AFSPRVL μCi/mL		N	AFGRVAL ^a	DCG ^b
		Average	Maximum		μCi/mL Background Range	
Gross Alpha	26	8.37±5.40E-16	1.69E-15	26	7.68E-17–1.76E-15	--
Gross Beta	26	1.73±0.20E-14	3.14E-14	26	1.99E-15–3.16E-14	--
K-40	2	0.62±1.13E-15	1.24E-15	2	<1.30E-15–<1.69E-15	9E-10
Co-60	2	2.63±8.46E-17	<1.11E-16	2	<7.41E-17–8.14E-17	8E-11
Sr-90	2	0.51±1.22E-16	<1.44E-16	2	<7.11E-17–<1.31E-16	9E-12
Cs-137	2	-0.15±1.32E-16	<1.82E-16	2	<5.80E-17–9.70E-17	4E-10

N - Number of samples

-- DCGs are not specified for gross alpha and gross beta activity.

^a Background air sampling location

^b Derived concentration guides (DCGs) are applicable to average concentrations at the site boundary.

Table D-15
2006 Radioactivity in Fallout: Rain Gauge
(ANRGFOP)

Analyte	Units	N	Minimum	Average	Maximum
Gross Alpha	nCi/m ²	12	2.22E-02	8.08±1.66E-02	1.30E-01
Gross Beta	nCi/m ²	12	2.68E-01	5.79±0.43E-01	8.98E-01
H-3	µCi/mL	12	<6.42E-08	3.21±8.16E-08	1.47E-07
K-40	nCi/m ²	12	<3.03E+00	0.37±9.04E+00	<1.54E+01
Cs-137	nCi/m ²	12	<2.36E-01	0.81±6.77E-01	3.27E-01

N - Number of samples